

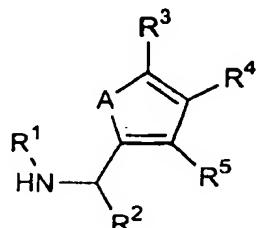
Application No. 10/717,932
Reply dated November 1, 2004
Response to Office Action dated August 31, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

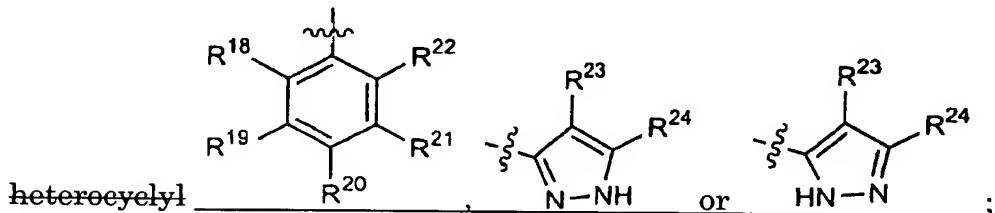
1. (currently amended) A compound corresponding to formula (I), or a pharmaceutically acceptable salt thereof,



wherein

A represents O or S;

R¹ represents ~~aryl, heteroeyethyl, (C₁₋₆-alkyl)aryl or (C₁₋₆-alkyl)~~



R² represents ~~-C(=O)R⁶ or C₃₋₈-cycloalkyl -(C=O)-phenyl or -cyclo-C₃H₄R¹⁷~~;

R³, R⁴ and R⁵ each independently represent H, ~~F, Cl, Br, I, CN, OR⁷, SR⁸, NO₂, C₁₋₁₂-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)C₃₋₈-cycloalkyl, aryl, -(C₁₋₆-alkyl)~~

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~~aryl, heterocyclyl, (C₁₋₆-alkyl)-heterocyclyl, (CH₂)_m-O-(CH₂)_n-R⁹ wherein m = 1, 2, 3 or 4 and n = 0, 1, 2, 3 or 4, (CH₂)_p-S_q-(CH₂)_r-R¹⁰ wherein p = 1, 2, 3 or 4, q = 1 or 2 and r = 0, 1, 2, 3 or 4, (CH₂)_s-C(=O)OR¹¹ wherein s = 0, 1, 2, 3 or 4, C(=O)R¹² or C(=S)R¹³ methyl, -CH₂-OH, -CH₂-S-CH₃ or -CH₂-S-CH₂-furan-2-yl, -C(=O)Omethyl, -C(=O)Oethyl, or -CH₂-C(=O)Oethyl;~~

R¹⁷ represents -C(=O)OH or -C(=O)O-C₁₋₆-alkyl and

R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³ and R²⁴ each independently represent H, OH, SH, -O-C₁₋₆-alkyl, -Oaryl, -S-C₁₋₆-alkyl, -Saryl, F, Cl, Br, I, -CN, C₁₋₆-alkyl, CF₃, CO(=O)H, CO(=O)-C₁₋₆-alkyl or -N=N-aryl.

R⁶ represents aryl, heterocyclyl, (C₁₋₆-alkyl)-aryl or (C₁₋₆-alkyl)-heterocyclyl;

R⁷ and R⁸ each independently represent H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R⁹ and R¹⁰ each independently represent H, C₁₋₆-alkyl, C₃₋₈-cycloalkyl, aryl, heterocyclyl or C(=O)R¹⁴;

R¹¹ represents H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R¹² and R¹³ each independently represent C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclyl, (C₁₋₆-alkyl)-heterocyclyl or NR¹⁵R¹⁶;

R¹⁴ represents C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl or (C₁₋₆-alkyl)-aryl; and

R¹⁵ and R¹⁶ each independently represent H, C₁₋₈-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclyl or (C₁₋₆-alkyl)-heterocyclyl, or

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~~-NR¹⁵R¹⁶ represents a heterocyclic ring;~~

~~with the exception of the racemates of the following compounds:~~

~~N-(cyclopropyl-2-thienylmethyl)-4,5-dihydro-2-oxazoleamine;~~

~~N-(cyclopropyl-2-furanyl-methyl)-4,5-dihydro-2-oxazoleamine;~~

~~1,2-di-2-furanyl-2-(phenylamino)-ethanone;~~

~~1,2-di-2-furanyl-2-[(4-methylphenyl)amino]-ethanone;~~

~~1,2-di-2-furanyl-2-(pyrazinylamino)-ethanone;~~

~~5-chloro-N-[cyclopropyl[5-(2-ethoxyethyl)-2-thienyl]methyl]-6-ethyl-4-pyridineamine;~~

~~5-chloro-N-[cyclopropyl[5-(2-ethoxyethyl)-2-thienyl]methyl]-6-methyl-4-pyridineamine;~~

~~N-(cyclopropyl-2-thienylmethyl)-3,4,5,6-tetrahydro-2-pyridineamine;~~

~~N-(cyclopropyl-2-thienylmethyl)-3,4,5,6-tetrahydro-2H-azepineamine;~~

~~and~~

~~N-(cyclopropyl-2-thienylmethyl)-3,4,5,6-tetrahydro-2-azocineamine.~~

2. (original) The compound of claim 1, wherein said compound is in the form of a racemate.

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3. (original) The compound of claim 1, wherein said compound is in the form of a pure enantiomer or diastereoisomer.

4. (original) The compound of claim 1, wherein said compound is in the form of a mixture of enantiomers or diastereoisomers.

5. (currently amended) The compound of claim 1, wherein

R¹—represents aryl or heterocyclic;

R² represents -(C=O)R⁶ or C₃₋₆-cycloalkyl -(C=O)-phenyl or -cyclo-C₃H₄-C(=O)Oethyl;

R³, R⁴ and R⁵ each independently represent H, C₁₋₆-alkyl, (CH₂)_m-O-R⁹ wherein m = 1 or 2, (CH₂)_p-S_q(CH₂)_r-R¹⁰ wherein p = 1 or 2, q = 1 and r = 0, 1 or 2, (CH₂)_s-C(=O)OR¹¹ wherein s = 0, 1 or 2;

R³ represents H, methyl, -CH₂-S-CH₃, -CH₂-S-CH₂-furan-2-yl or -CH₂-C(=O)Oethyl;

R⁴ represents H, methyl, -CH₂-OH, -C(=O)Omethyl or -C(=O)Oethyl;

R⁵ represents H;

R⁶—represents aryl or heterocyclic;

R⁹ and R¹⁰ each independently represent H, C₁₋₆-alkyl or heterocyclic;
and

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R¹¹—represents H or C₁₋₆-alkyl.

R¹⁸, R¹⁹, R²⁰, R²¹ and R²² each independently represent H, -O-phenyl, F, Cl, Br, -CN, methyl or CF₃, wherein at least three of the radicals R¹⁸, R¹⁹, R²⁰, R²¹ and R²² represent H and

R²³ and R²⁴ each independently represent H, OH, -S-methyl, -CN, CO(=O)-ethyl or -N=N-phenyl.

6-7. (cancelled).

8. (original) The compound of claim 1, wherein said compound is selected from the group consisting of:

5-[1-(2-chloro-phenylamino)-2-oxo-2-phenyl-ethyl]-2-methyl-furan-3-carboxylic acid ethyl ester;

5-[1-(4-chloro-2-methyl-phenylamino)-2-oxo-2-phenyl-ethyl]-2-methyl-furan-3-carboxylic acid methyl ester;

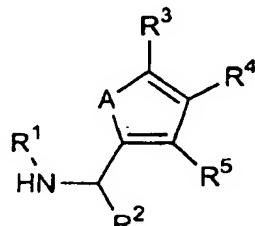
5-[1-(4-chloro-2-fluoro-phenylamino)-2-oxo-2-phenyl-ethyl]-2-methyl-furan-3-carboxylic acid methyl ester; and

5-[1-(4-chloro-2-methyl-phenylamino)-2-oxo-2-phenyl-ethyl]-2-methyl-furan-3-carboxylic acid ethyl ester.

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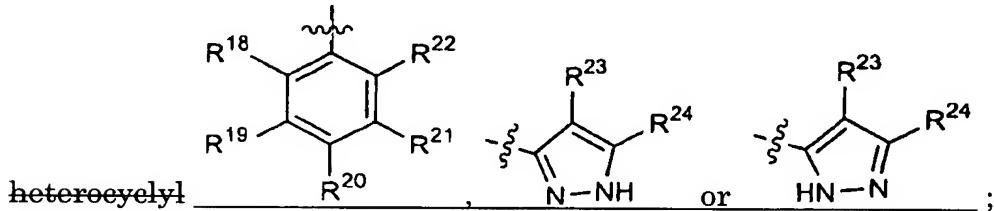
9. (currently amended) A process for preparing a compound corresponding to formula (I), or a pharmaceutically acceptable salt thereof,



wherein

A represents O or S;

R¹ represents aryl, heteroeyethyl, (C₁₋₆-alkyl)-aryl or (C₁₋₆-alkyl)-



heteroeyethyl ;

R² represents -C(=O)R⁶ or C₃₋₈-eyeloalkyl -C(=O)-phenyl or -cyclo-C₃H₄R¹⁷ ;

R³, R⁴ and R⁵ each independently represent H, F, Cl, Br, I, CN, OR⁷, SR⁸, NO₂, C₁₋₁₂-alkyl, C₃₋₈-eyeloalkyl, (C₁₋₆-alkyl) C₃₋₈-eyeloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heteroeyethyl, (C₁₋₆-alkyl) heteroeyethyl, (CH₂)_m-O-(CH₂)_n-R⁹ wherein m = 1, 2, 3 or 4 and n = 0, 1, 2, 3 or 4, (CH₂)_p-S_q-(CH₂)_r-R¹⁰ wherein p = 1, 2, 3 or 4, q = 1 or 2 and r = 0, 1, 2, 3 or 4, (CH₂)_s-C(=O)OR¹¹ wherein s = 0, 1, 2, 3 or 4, C(=O)R¹² or C(=S)R¹³ methyl, -CH₂-OH, -CH₂-S-CH₃ or -CH₂-S-CH₂-furan-2-yl, -C(=O)Omethyl, -C(=O)Oethyl, or -CH₂-C(=O)Oethyl ;

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R¹⁷ represents -C(=O)OH or -C(=O)O-C₁₋₆-alkyl and

R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³ and R²⁴ each independently represent H, OH, SH, -O-C₁₋₆-alkyl, -Oaryl, -S-C₁₋₆-alkyl, -Saryl, F, Cl, Br, I, -CN, C₁₋₆-alkyl, CF₃, CO(=O)H, CO(=O)-C₁₋₆-alkyl or -N=N-aryl,

R⁶ represents aryl, heterocyclic, (C₁₋₆-alkyl)-aryl or (C₁₋₆-alkyl)-heterocyclic;

R⁷ and R⁸ each independently represent H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R⁹ and R¹⁰ each independently represent H, C₁₋₆-alkyl, C₃₋₈-cycloalkyl, aryl, heterocyclic or C(=O)R¹⁴;

R¹¹ represents H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R¹² and R¹³ each independently represent C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclic, (C₁₋₆-alkyl)-heterocyclic or NR¹⁵R¹⁶;

R¹⁴ represents C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl or (C₁₋₆-alkyl)-aryl; and

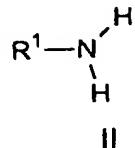
R¹⁵ and R¹⁶ each independently represent H, C₁₋₈-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclic or (C₁₋₆-alkyl)-heterocyclic, or

-NR¹⁵R¹⁶ represents a heterocyclic ring;

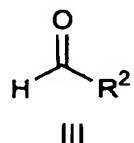
with the exception of the racemates of N-(cyclopropyl-2-thienylmethyl)-4,5-dihydro-2-oxazoleamine and N-(cyclopropyl-2-furanyl methyl)-4,5-dihydro-2-oxazoleamine;

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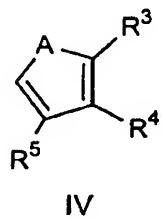
said process comprising the step of
reacting an amine corresponding to formula (II)



with an aldehyde corresponding to formula (III)



and with a heterocycle corresponding to formula (IV)



in the presence of an acid.

10. (original) The process of claim 9, wherein the acid is trifluoroacetic acid.

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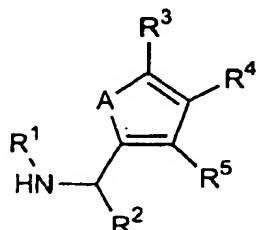
11. (original) The process of claim 9, wherein the step of reacting carried out in an organic solvent and at a temperature of from 0° to 100°C.

12. (original) The process of claim 9, wherein said compound is in the form of a racemate.

13. (original) The process of claim 9, wherein said compound is in the form of a pure enantiomer or diastereoisomer.

14. (original) The process of claim 9, wherein said compound is in the form of a mixture of enantiomers or diastereoisomers.

15. (currently amended) A method of alleviating pain in a mammal, said method comprising administering to said mammal an effective pain alleviating amount of a compound corresponding to formula (I) or a pharmaceutically acceptable salt thereof

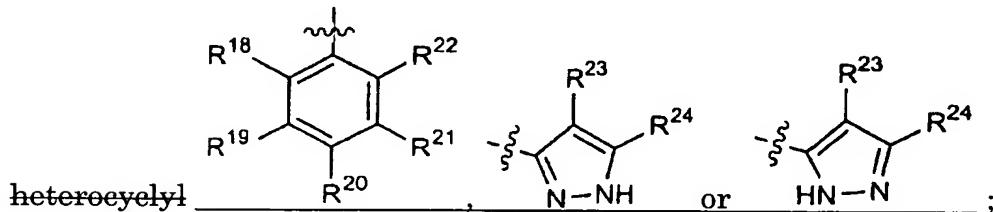


wherein

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A represents O or S;

R¹ represents aryl, heteroeyethyl, (C₁₋₆-alkyl)-aryl or (C₁₋₆-alkyl)-



R² represents -C(=O)R⁶ or C₃₋₈-cycloalkyl, -(C=O)-phenyl or -cyclo-C₃H₄R¹⁷;

R³, R⁴ and R⁵ each independently represent H, F, Cl, Br, I, CN, OR⁷, SR⁸, NO₂, C₁₋₁₂-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heteroeyethyl, (C₁₋₆-alkyl)-heteroeyethyl, (CH₂)_m-O-(CH₂)_n-R⁹ wherein m = 1, 2, 3 or 4 and n = 0, 1, 2, 3 or 4, (CH₂)_p-S_q-(CH₂)_r-R¹⁰ wherein p = 1, 2, 3 or 4, q = 1 or 2 and r = 0, 1, 2, 3 or 4, (CH₂)_s-C(=O)OR¹¹ wherein s = 0, 1, 2, 3 or 4, C(=O)R¹² or C(=S)R¹³ methyl, -CH₂-OH, -CH₂-S-CH₃ or -CH₂-S-CH₂-furan-2-yl, -C(=O)Omethyl, -C(=O)Oethyl, or -CH₂-C(=O)Oethyl;

R¹⁷ represents -C(=O)OH or -C(=O)O-C₁₋₆-alkyl and

R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³ and R²⁴ each independently represent H, OH, SH, -O-C₁₋₆-alkyl, -Oaryl, -S-C₁₋₆-alkyl, -Saryl, F, Cl, Br, I, -CN, C₁₋₆-alkyl, CF₃, CO(=O)H, CO(=O)-C₁₋₆-alkyl or -N=N-aryl.

R⁶ represents aryl, heteroeyethyl, (C₁₋₆-alkyl)-aryl or (C₁₋₆-alkyl)-heteroeyethyl;

R⁷ and R⁸ each independently represent H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

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~~R⁹ and R¹⁰ each independently represent H, C₁₋₆-alkyl, C₃₋₈-cycloalkyl, aryl, heterocyclyl or C(=O)R¹⁴;~~

~~R¹¹ represents H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;~~

~~R¹² and R¹³ each independently represent C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclyl, (C₁₋₆-alkyl)-heterocyclyl or NR¹⁵R¹⁶;~~

~~R¹⁴ represents C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl or (C₁₋₆-alkyl)-aryl; and~~

~~R¹⁵ and R¹⁶ each independently represent H, C₁₋₈-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclyl or (C₁₋₆-alkyl)-heterocyclyl, or~~

~~NR¹⁵R¹⁶ represents a heterocyclyl ring.~~

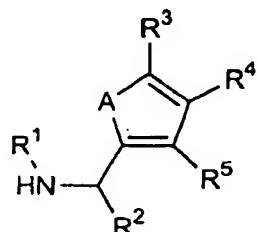
16. (original) The method of claim 15, wherein said compound is in the form of a racemate.

17. (original) The method of claim 15, wherein said compound is in the form of a pure enantiomer or diastereoisomer.

18. (original) The method of claim 15, wherein said compound is in the form of a mixture of enantiomers or diastereoisomers.

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19. (currently amended) A method of increasing vigilance or of treating or inhibiting a condition selected from the group consisting of pain, arrhythmia, nausea, cognitive deficit, cardiovascular disease, urinary incontinence, diarrhea, pruritis, inflammation, depression and substance abuse in a mammal, said method comprising administering to said mammal an effective amount of a compound corresponding to formula (I) or a pharmaceutically acceptable salt thereof

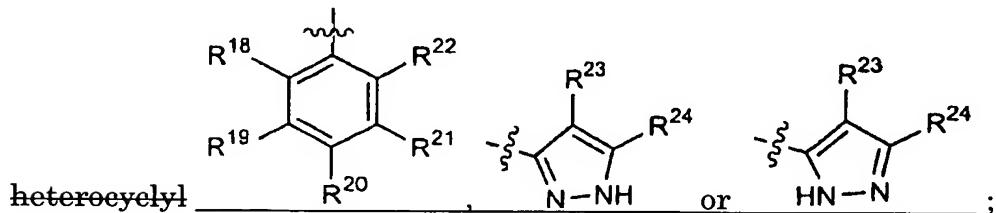


|

wherein

A represents O or S;

R¹ represents ~~aryl, heteroeyethyl, (C₁₋₆-alkyl) aryl or (C₁₋₆-alkyl)~~



R² represents ~~-C(=O)R⁶ or C₃₋₈-eyeloalkyl -(C=O)-phenyl or -cyclo-C₃H₄R¹⁷;~~

R³, R⁴ and R⁵ each independently represent ~~H, F, Cl, Br, I, CN, OR⁷, SR⁸, NO₂, C₁₋₁₂-alkyl, C₃₋₈-eyeloalkyl, (C₁₋₆-alkyl) C₃₋₈-eyeloalkyl, aryl, (C₁₋₆-alkyl)~~

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~~aryl, heterocyclyl, (C₁₋₆-alkyl) heterocyclyl, (CH₂)_m-O-(CH₂)_n-R⁹ wherein m = 1, 2, 3 or 4 and n = 0, 1, 2, 3 or 4, (CH₂)_p-S_q-(CH₂)_r-R¹⁰ wherein p = 1, 2, 3 or 4, q = 1 or 2 and r = 0, 1, 2, 3 or 4, (CH₂)_s-C(=O)OR¹¹ wherein s = 0, 1, 2, 3 or 4, C(=O)R¹² or C(=S)R¹³ methyl, -CH₂-OH, -CH₂-S-CH₃ or -CH₂-S-CH₂-furan-2-yl, -C(=O)Omethyl, -C(=O)Oethyl, or -CH₂-C(=O)Oethyl;~~

R¹⁷ represents -C(=O)OH or -C(=O)O-C₁₋₆-alkyl and

R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³ and R²⁴ each independently represent H, OH, SH, -O-C₁₋₆-alkyl, -Oaryl, -S-C₁₋₆-alkyl, -Saryl, F, Cl, Br, I, -CN, C₁₋₆-alkyl, CF₃, CO(=O)H, CO(=O)-C₁₋₆-alkyl or -N=N-aryl.

R⁶ represents aryl, heterocyclyl, (C₁₋₆-alkyl) aryl or (C₁₋₆-alkyl)-heterocyclyl;

R⁷ and R⁸ each independently represent H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R⁹ and R¹⁰ each independently represent H, C₁₋₆-alkyl, C₃₋₈-cycloalkyl, aryl, heterocyclyl or C(=O)R¹⁴;

R¹¹ represents H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R¹² and R¹³ each independently represent C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl) aryl, heterocyclyl, (C₁₋₆-alkyl)-heterocyclyl or NR¹⁵R¹⁶;

R¹⁴ represents C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl or (C₁₋₆-alkyl) aryl; and

R¹⁵ and R¹⁶ each independently represent H, C₁₋₈-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl) aryl, heterocyclyl or (C₁₋₆-alkyl)-heterocyclyl, or

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~~NR¹⁵R¹⁶ represents a heterocyclic ring;~~
~~with the exception of the racemates of N-(cyclopropyl-2-thienylmethyl)-4,5-dihydro-2-oxazoleamine and N-(cyclopropyl-2-furanyl methyl)-4,5-dihydro-2-oxazoleamine.~~

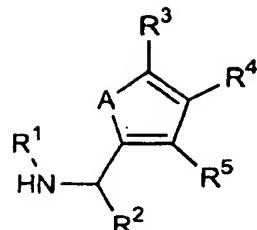
20. (original) The method of claim 19, wherein said compound is in the form of a racemate.

21. (original) The method of claim 19, wherein said compound is in the form of a pure enantiomer or diastereoisomer.

22. (original) The method of claim 19, wherein said compound is in the form of a mixture of enantiomers or diastereoisomers.

23. (currently amended) A pharmaceutical composition comprising:
at least one compound corresponding to formula (I) or a pharmaceutically acceptable salt thereof

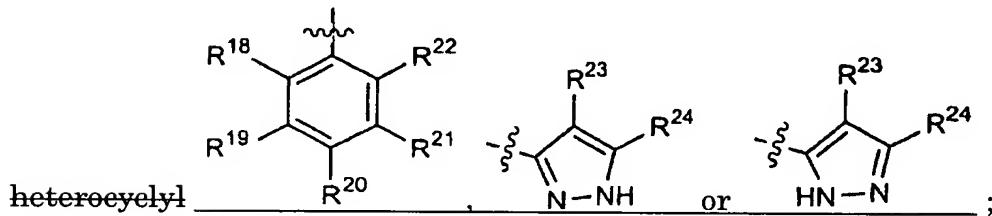
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wherein

A represents O or S;

R¹ represents aryl, heterocyclyl, (C₁₋₆-alkyl)aryl or (C₁₋₆-alkyl)



R² represents -C(=O)R⁶ or C₃₋₈-cycloalkyl -(C=O)-phenyl or -cyclo-C₃H₄R¹⁷ ;

R³, R⁴ and R⁵ each independently represent H, F, Cl, Br, I, CN, OR⁷, SR⁸, NO₂, C₁₋₁₂-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)aryl, heterocyclyl, (C₁₋₆-alkyl)heterocyclyl, (CH₂)_m-O-(CH₂)_n-R⁹ wherein m = 1, 2, 3 or 4 and n = 0, 1, 2, 3 or 4, (CH₂)_p-S_q-(CH₂)_r-R¹⁰ wherein p = 1, 2, 3 or 4, q = 1 or 2 and r = 0, 1, 2, 3 or 4, (CH₂)_s-C(=O)OR¹¹ wherein s = 0, 1, 2, 3 or 4, C(=O)R¹² or C(=S)R¹³ methyl, -CH₂-OH, -CH₂-S-CH₃ or -CH₂-S-CH₂-furan-2-yl, -C(=O)O-methyl, -C(=O)O-ethyl, or -CH₂-C(=O)O-ethyl ;

R¹⁷ represents -C(=O)OH or -C(=O)O-C₁₋₆-alkyl and

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R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³ and R²⁴ each independently represent H, OH, SH, -O-C₁₋₆-alkyl, -Oaryl, -S-C₁₋₆-alkyl, -Saryl, F, Cl, Br, I, -CN, C₁₋₆-alkyl, CF₃, CO(=O)H, CO(=O)-C₁₋₆-alkyl or -N=N-aryl

R⁶—represents aryl, heterocyclic, (C₁₋₆-alkyl)-aryl or (C₁₋₆-alkyl)-heterocyclic;

R⁷ and R⁸ each independently represent H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R⁹ and R¹⁰ each independently represent H, C₁₋₆-alkyl, C₃₋₈-cycloalkyl, aryl, heterocyclic or C(=O)R¹⁴;

R¹¹—represents H, C₁₋₆-alkyl or C₃₋₈-cycloalkyl;

R¹² and R¹³ each independently represent C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclic, (C₁₋₆-alkyl)-heterocyclic or NR¹⁵R¹⁶;

R¹⁴—represents C₁₋₆-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl or (C₁₋₆-alkyl)-aryl; and

R¹⁵ and R¹⁶ each independently represent H, C₁₋₈-alkyl, C₃₋₈-cycloalkyl, (C₁₋₆-alkyl)-C₃₋₈-cycloalkyl, aryl, (C₁₋₆-alkyl)-aryl, heterocyclic or (C₁₋₆-alkyl)-heterocyclic, or

-NR¹⁵R¹⁶ represents a heterocyclic ring;

with the exception of the racemates of the following compounds:

N-(cyclopropyl-2-thienylmethyl)-4,5-dihydro-2-oxazoleamine;

N-(cyclopropyl-2-furanyl methyl)-4,5-dihydro-2-oxazoleamine;

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~~N-(cyclopropyl-2-thienylmethyl)-3,4,5,6-tetrahydro-2-pyridineamine;~~

~~N-(cyclopropyl-2-thienylmethyl)-3,4,5,6-tetrahydro-2H-azepineamine;~~

and

~~N-(cyclopropyl-2-thienylmethyl)-3,4,5,6-tetrahydro-2-azocineamine;~~

and at least one pharmaceutical excipient.

24. (original) The pharmaceutical composition of claim 23, wherein said compound is in the form of a racemate.

25. (original) The pharmaceutical composition of claim 23, wherein said compound is in the form of a pure enantiomer or diastereoisomer.

26. (original) The pharmaceutical composition of claim 23, wherein said compound is in the form of a mixture of enantiomers or diastereoisomers.